

FIG. 1

Title:

Real-Time Aggregation and Scoring in an
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

2/17

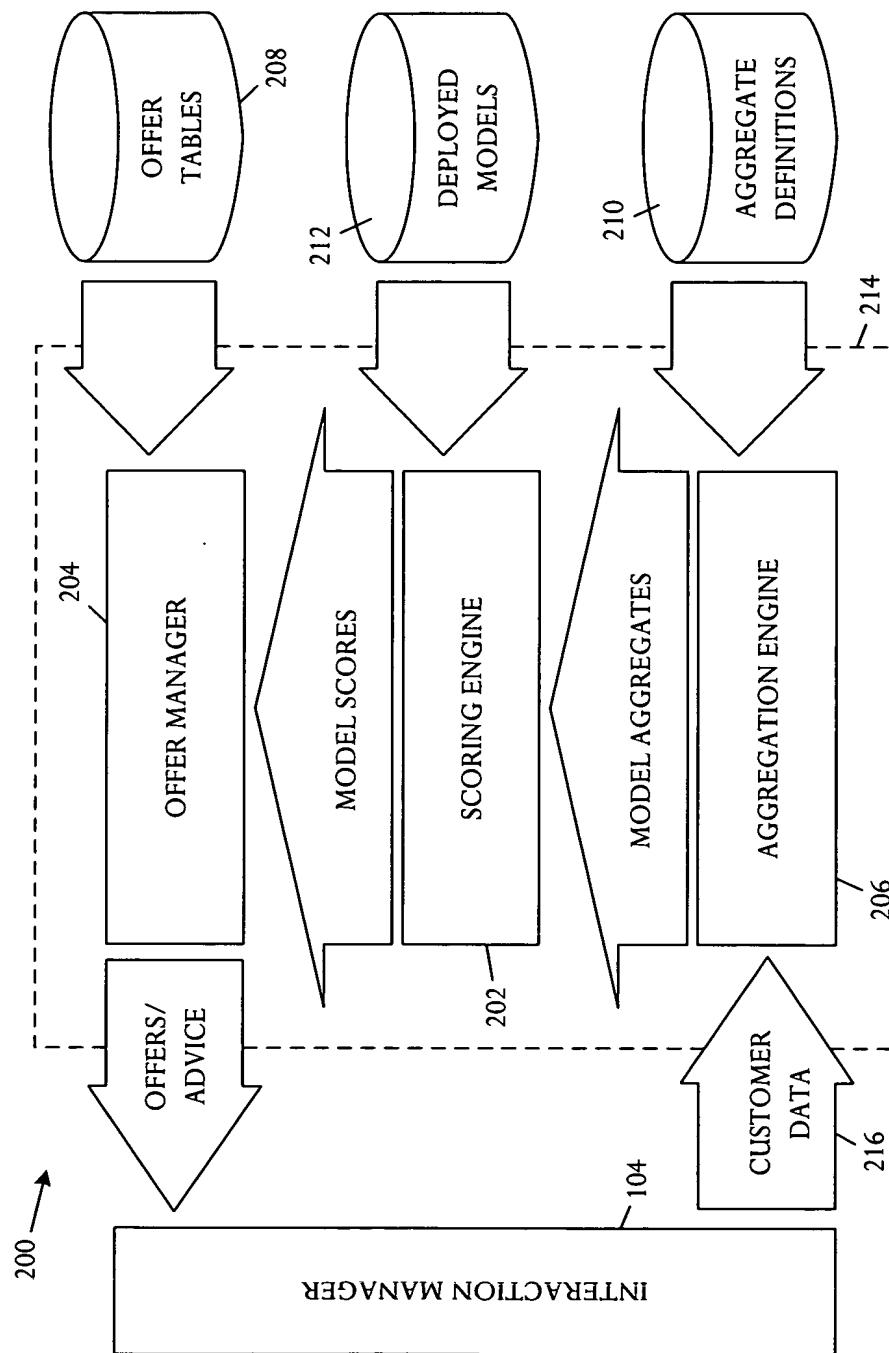


FIG. 2

Title:

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First Named Inventor:

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Docket No.:

200313119-1

3/17

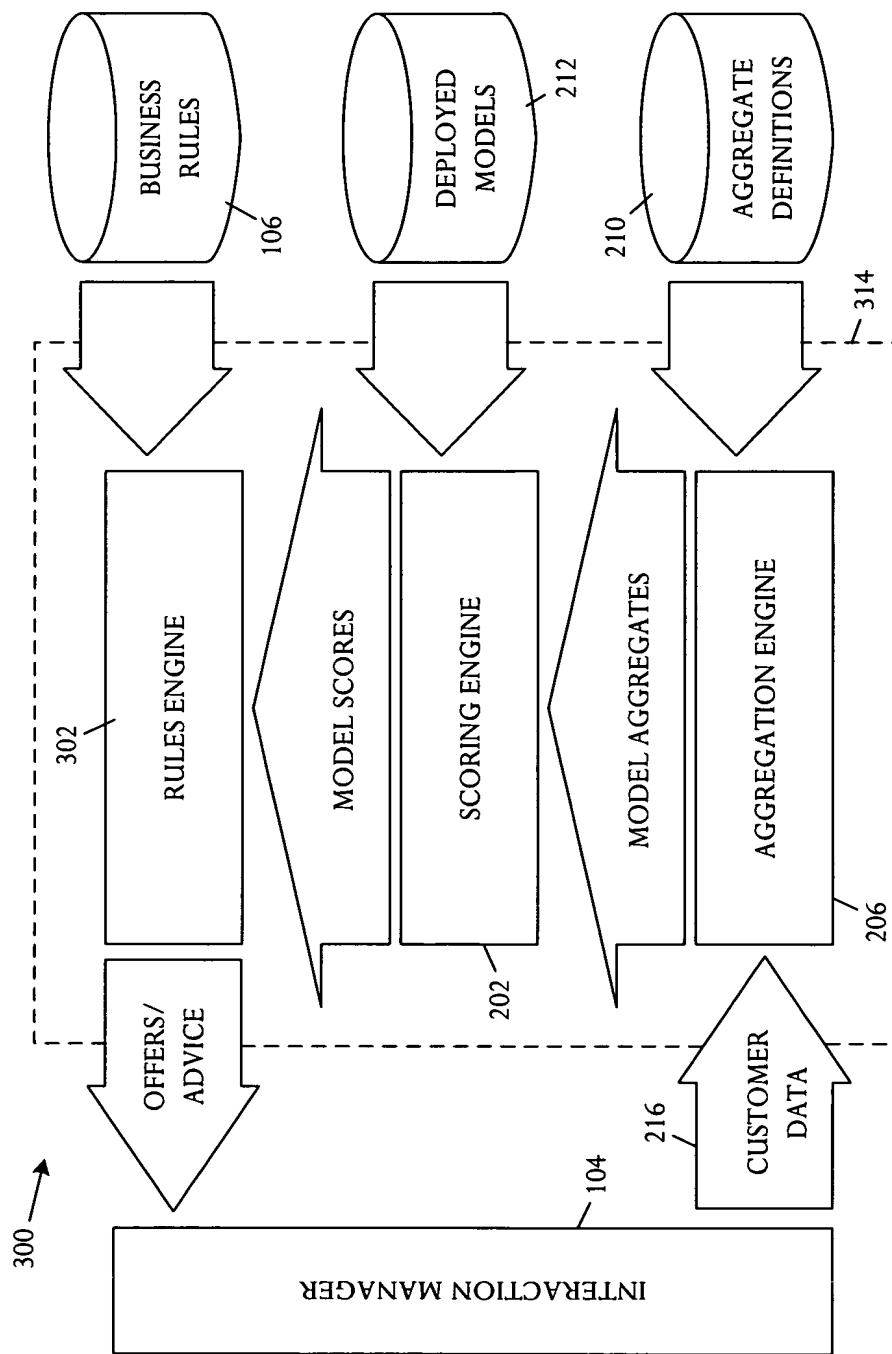


FIG. 3

Title:
First Named Inventor
Docket No.:

Real-Time Aggregation and Scoring in an Information Handling System
Carr, Steven R.
200313119-1

4/17

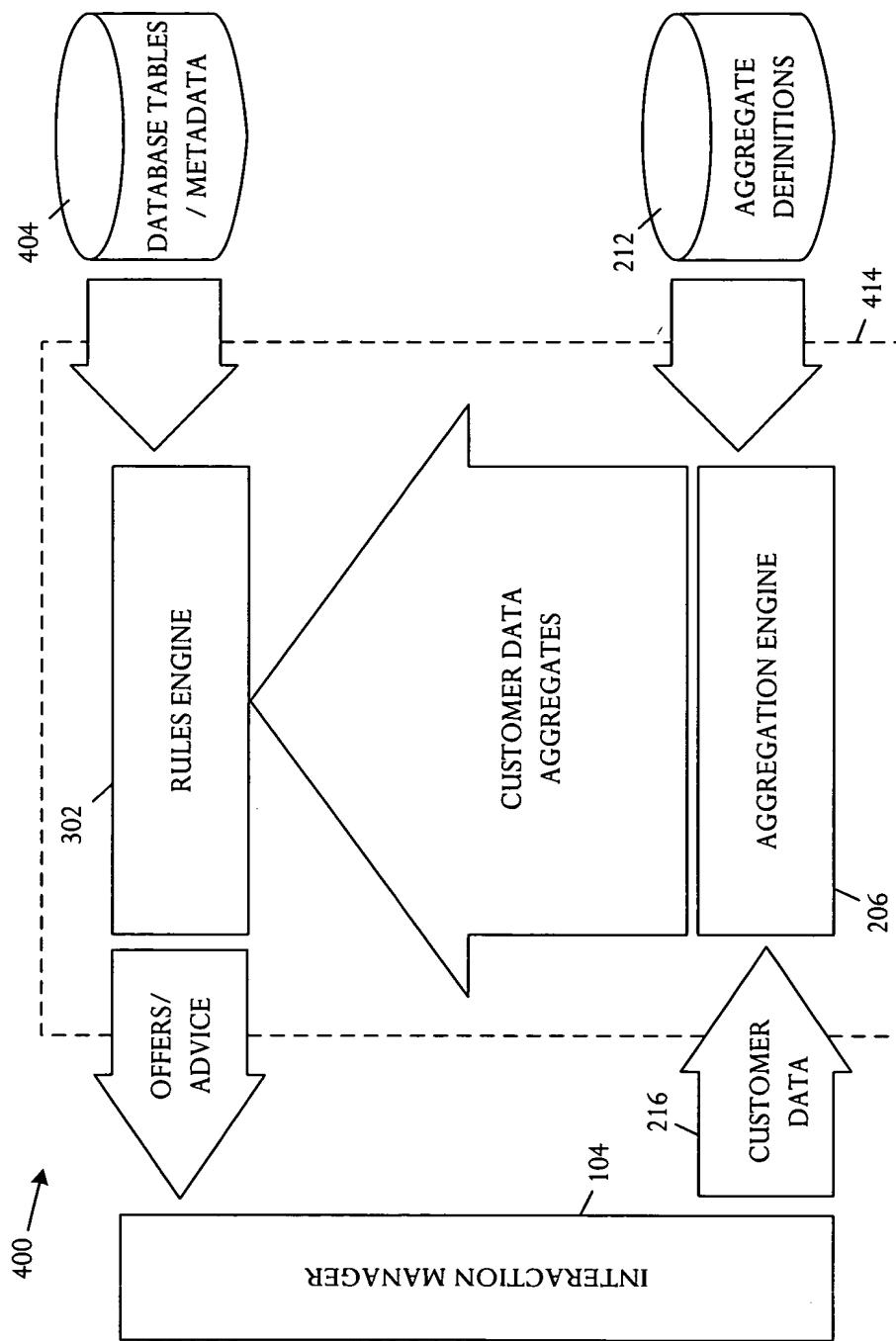


FIG. 4

Title:

Real-Time Aggregation and Scoring in an
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First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

5/17

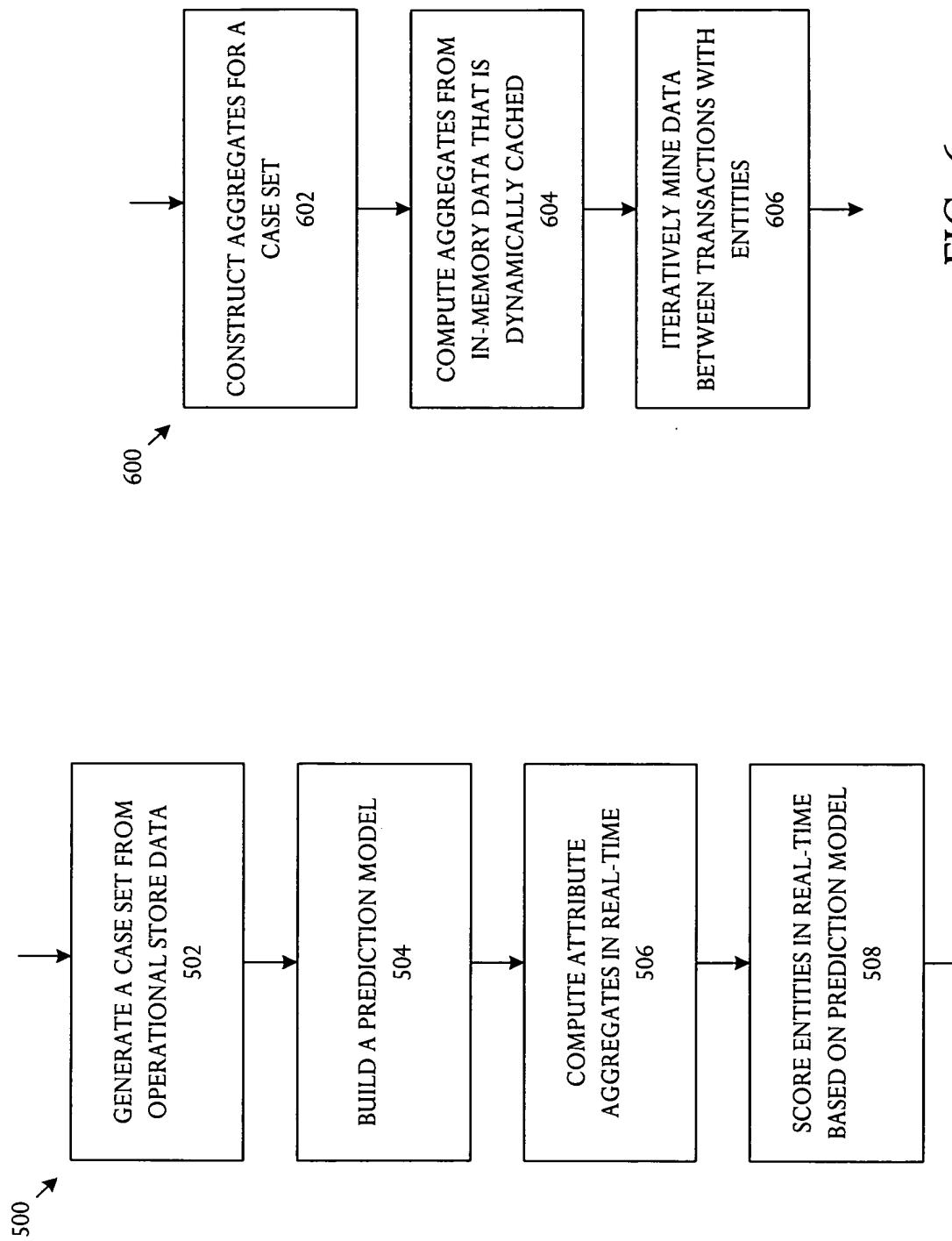


FIG. 5

FIG. 6

Title:

Real-Time Aggregation and Scoring in an
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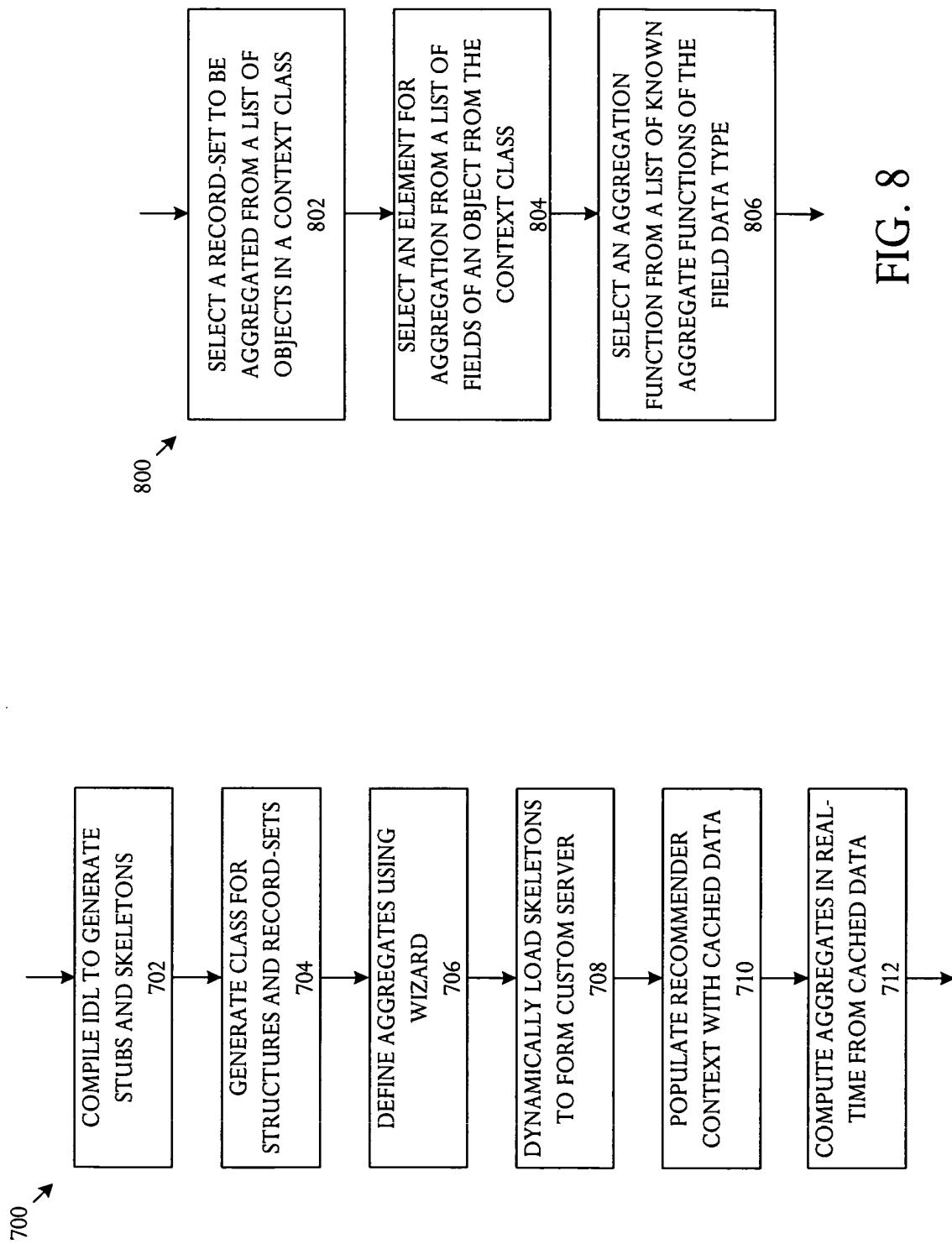
First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

6/17



Title: Real-Time Aggregation and Scoring in an
Information Handling System
First Named Inventor: Carr, Steven R.
Docket No.: 200313119-1

7/17

<input checked="" type="checkbox"/> Define aggregate storesRefunded			
Select element			
refundStoreID			
refunds			
Array refunds			
Conversions for java.lang.String			
Elements of retail.Refund	date		
purchaseAmount			
purchaseDate			
purchaseStoreID			
refundAmount			
refundDate			
refundStoreID			
Cancel		Previous	Next

<input checked="" type="checkbox"/> Define aggregate storesRefunded			
Select structure			
refunds			
Structures of retail.TotalCustomerView			
demographics			
nameAndAddress			
purchaseAggregates			
purchases			
refunds			
shoppingCart			
Cancel		Next	

FIG. 9A

FIG. 9B

Title: Real-Time Aggregation and Scoring in an
First Named Inventor: Information Handling System
Docket No.: Carr, Steven R.
200313119-1

8/17

Define aggregate storesRefunded <input checked="" type="checkbox"/>	Select condition
Array refunds	Element refundStoreID
	Function CountDistinct
Elements of retail.Refund	<none>
	purchaseAmount
	purchaseDate
	purchaseStoreID
	refundAmount
	refundDate
	refundStoreID
	<input type="button" value="Cancel"/> <input type="button" value="Previous"/> <input type="button" value="Next"/>

Define aggregate storesRefunded <input checked="" type="checkbox"/>	Select or type function
CountDistinct	Aggregate functions on String
Element refundStoreID	Count
	CountDistinct
	Max
	Min
	<input type="button" value="Cancel"/> <input type="button" value="Previous"/> <input type="button" value="Next"/>

FIG. 9C

FIG. 9D

Title:

Real-Time Aggregation and Scoring in an
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

9/17

Define aggregate storesRefunded

Select condition

refundAmount

Array refunds

Element refundStoreID

User Input

Function CountDistinct

Enter a value for refundAmount

50.00

OK Cancel

Elements of retail.Refund

<none>

purchaseAmount

purchaseDate

purchaseStoreID

refundAmount

refundDate

refundStoreID

Cancel Previous Next

FIG. 9F

Define aggregate storesRefunded

Select condition

refundAmount

Array refunds

Element refundStoreID

CountDistinct

Conversions & operators for java.lang.Number

<none>

=

!=

>

>=

<

<=

purchaseAmount

purchaseDate

purchaseStoreID

refundAmount

refundDate

refundStoreID

Cancel Previous Next

FIG. 9E

Title:

Real-Time Aggregation and Scoring in an
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

10/17

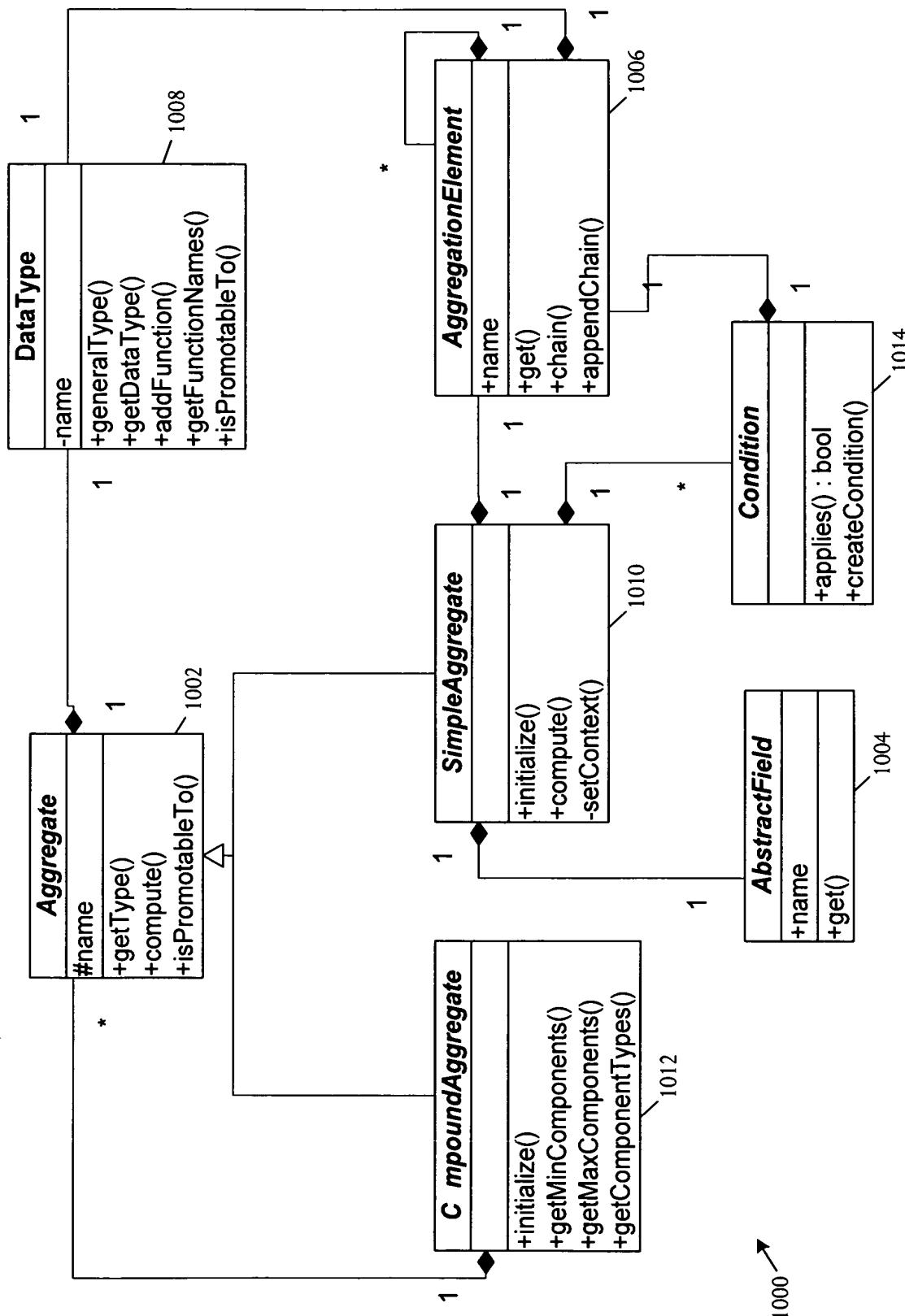


FIG. 10A

Title:

Real-Time Aggregation and Scoring in an

Information Handling System

Carr, Steven R.

200313119-1

11/17

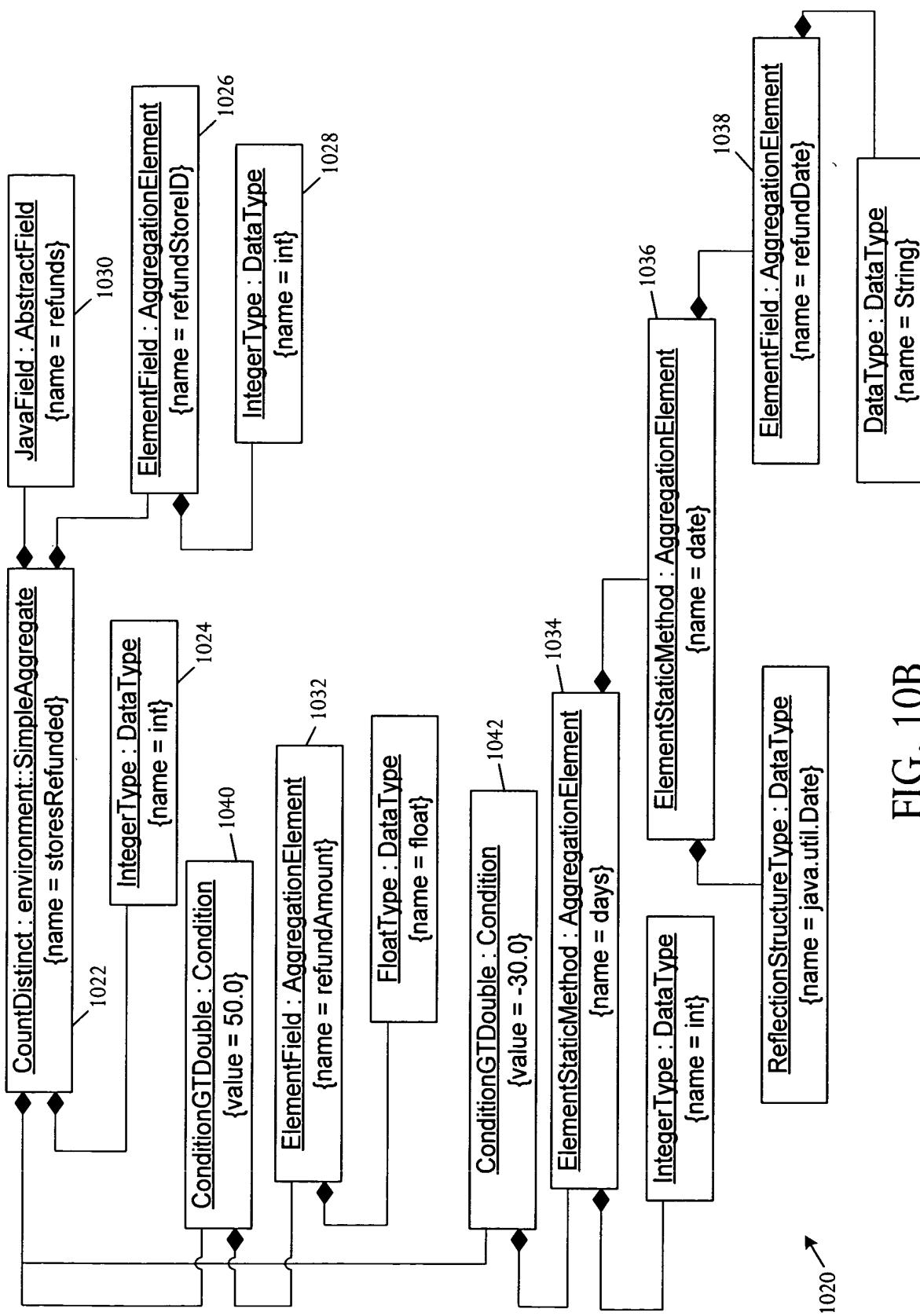


FIG. 10B

Title:
First Named Inventor:
Docket No.:

Real-Time Aggregation and Scoring in an
Information Handling System
Carr, Steven R.
200313119-1

12/17

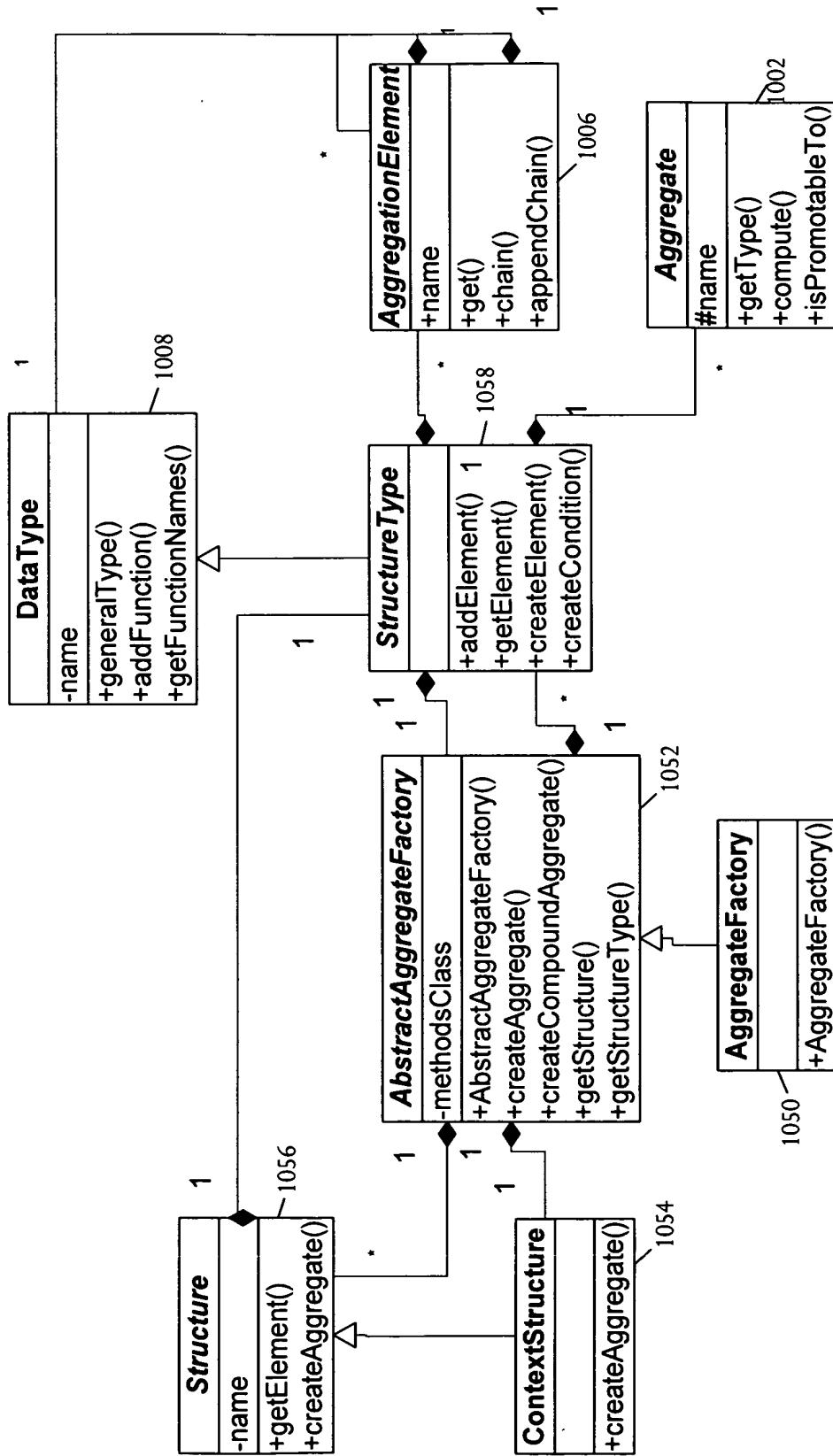


FIG. 10C

Title:

Real-Time Aggregation and Scoring in an
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

13/17

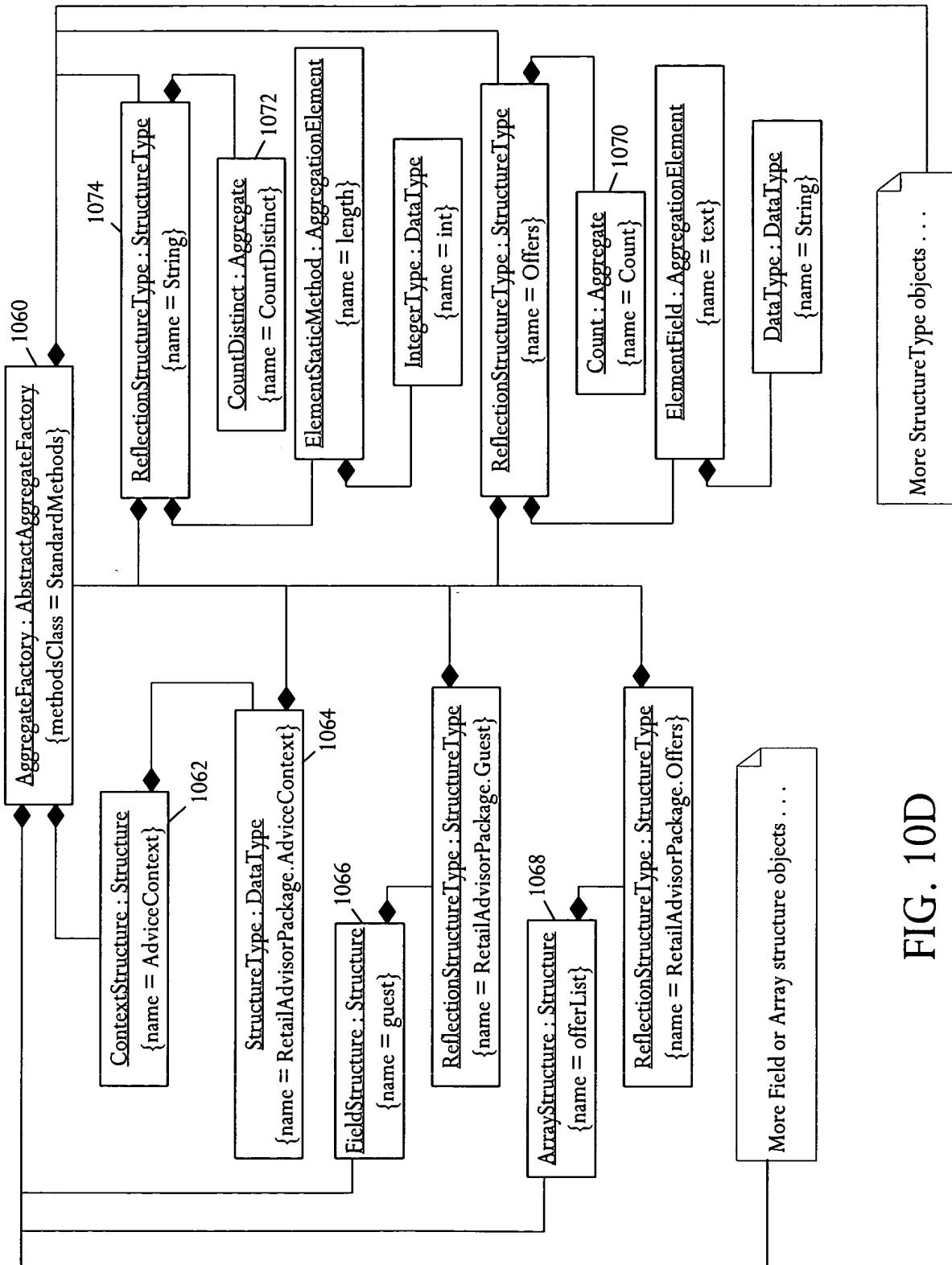


FIG. 10D

Title:

Real-Time Aggregation and Scoring in an
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

14/17

<input checked="" type="checkbox"/> Define aggregate storesRefunded	<input type="checkbox"/> Select condition
refundDate	
Array refunds	
Element refundStoreID	
Function CountDistinct	
Condition refundAmount>50.0	
Elements of retail.Refund	
<none>	
purchaseAmount	
purchaseDate	
purchaseStoreID	
refundAmount	
refundDate	
refundStoreID	
Conversions & operators for java.util.Date	
<input checked="" type="checkbox"/> day	
<input type="checkbox"/> days	
<input type="checkbox"/> hours	
<input type="checkbox"/> isWeekend	
<input type="checkbox"/> minutes	
<input type="checkbox"/> month	
<input type="checkbox"/> seconds	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> Cancel <input type="checkbox"/> Previous <input type="checkbox"/> Next	

FIG. 11B

<input checked="" type="checkbox"/> Define aggregate storesRefunded	<input type="checkbox"/> Select condition
refundDate	
Array refunds	
Element refundStoreID	
Function CountDistinct	
Condition refundAmount>50.0	
Elements of retail.Refund	
<none>	
purchaseAmount	
purchaseDate	
purchaseStoreID	
refundAmount	
refundDate	
refundStoreID	
Conversions & operators for java.lang.String	
<input checked="" type="checkbox"/> date	
<input type="checkbox"/> =	
<input type="checkbox"/> !=	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<input type="checkbox"/> Cancel <input type="checkbox"/> Previous <input type="checkbox"/> Next	

FIG. 11A

Title:

Real-Time Aggregation and Scoring in an
Information Handling System

First Named Inventor:

Carr, Steven R.

Docket No.:

200313119-1

15/17

Define aggregate storesRefunded <input checked="" type="checkbox"/>	Select condition
refundDate.date.days	
Array refunds	
Element ref	User Input <input checked="" type="checkbox"/>
Function C	Enter value for refundDate.date.days
Condition	-30
Elements of retail.Refund	
<none>	
purchaseAmount	
purchaseDate	
purchaseStoreID	
refundAmount	
refundDate	
refundStoreID	
date	=
	!=
	>
	=
	<
	<=
OK	Cancel
Cancel Previous Next	

FIG. 11C

Title:
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Docket No.:

Real-Time Aggregation and Scoring in an
Information Handling System
Carr, Steven R.
200313119-1

16/17

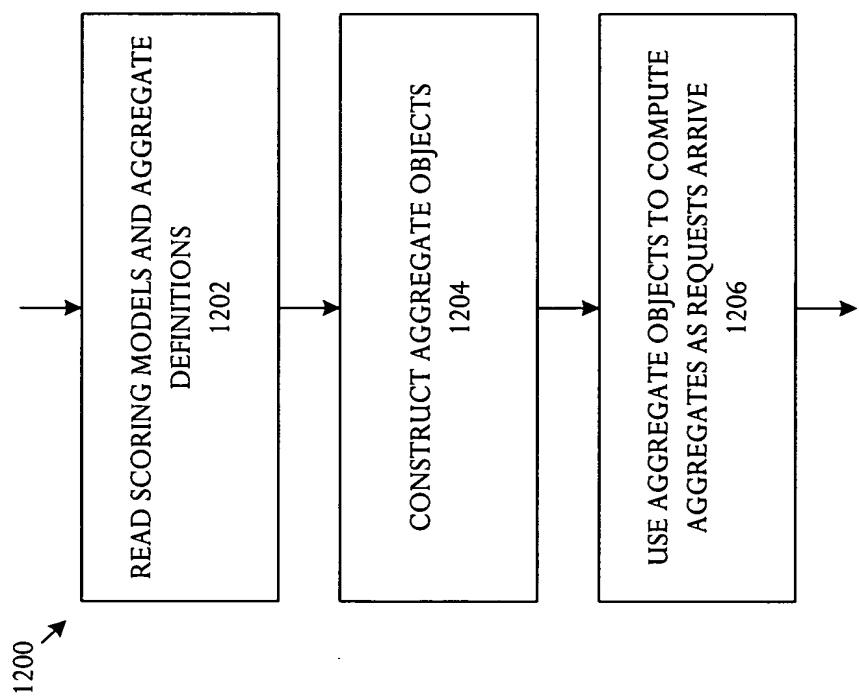


FIG. 12

Title:

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Docket No.:

200313119-1

17/17

<input checked="" type="checkbox"/> Define aggregate purchasesVariance
<input type="checkbox"/> Select or type function
Array purchases
Element <code>numberOfItems</code>
Aggregate functions on int
Count
CountDistinct
Max
Mean
Min
Sum
Variance
<input type="button"/> Cancel
<input type="button"/> Previous
<input type="button"/> Next

<input checked="" type="checkbox"/> Define aggregate purchaseAmountVariance
<input type="checkbox"/> Select or type function
Variance
Array purchases
Element <code>amount</code>
Aggregate functions on double
Count
CountDistinct
Max
Mean
Min
Sum
<input type="button"/> Cancel
<input type="button"/> Previous
<input type="button"/> Next

FIG. 13A

FIG. 13B